ELSEVIER

Molecular Cell Research
including Signal Transduction
Vol. 1221, 1994

BBA Biochimica et Biophysica Acta

Cumulative Contents

Information for Contributors vii

Regular Section

Regular Papers

Characterization of a particulate pathway for copper in K562 cells
L.A. Davidson, S.L. McOrmond and E.D. Harris (USA) 1

Osteonectin/SPARC is a product of articular chondrocytes/cartilage and is regulated by cytokines and growth factors
S. Chandrasekhar, A.K. Harvey, M.G. Johnson and G.W. Becker (USA) 7

Responses of articular cartilage explant cultures to different oxygen tensions
G.E. Ysart and R.M. Mason (UK) 15

Taurine efflux and the regulation of cell volume in incubated slices of rat cerebral cortex
R.O. Law (UK) 21

Daidzein inhibits insulin- or insulin-like growth factor-1-mediated signaling in cell cycle progression of Swiss 3T3 cells
K. Higashi and H. Ogawara (Japan) 29

Subsection

Regular Papers

Effects of herbimycin A and ST638 on Fcε receptor-mediated histamine release and Ca^{2+} signals in rat basophilic leukemia (RBL-2H3) cells
R. Teshima, H. Ikebuchi, J.-i. Sawada, T. Furuno, M. Nakanishi and T. Terao (Japan) 37

Granulosa cell luteinizing hormone receptor expression is modulated by ganglioside-specific ligands
M.-a. Hattori, M. Kanzaki, I. Kojima and R. Horiuchi (Japan) 47

Modulation of cytosolic protein phosphorylation by sphingosylphosphorylcholine
M.Yu. Pushkareva and Y.A. Hannun (USA) 54

A novel immunomodulator soluble aminated β-1,3-D-glucan: binding characteristics to mouse peritoneal macrophages
Z. Konopski, B. Smedsrød, R. Seljelid and T. Eskeland (Norway) 61

Effect of fatty acids and their acyl-CoA esters on protein kinase C activity in fibroblasts: possible implications in fatty acid oxidation defects
M. Nesher and A. Boneh (Israel) 66

Thioallyl compounds: Potent inhibitors of cell proliferation
E.S. Lee, M. Steiner and R. Lin (USA) 73

Involvement of protein kinase A and C in the production of interleukin-1_α-induced prostaglandin E_2 from mouse osteoblast-like cell line, MC3T3-E1
M. Iitaka, S. Kitahama and J. Ishii (Japan) 78

Agonist-induced phosphorylation of human platelet TXA_2/PGH_2 receptors
A.K. Okwu, D.E. Mais and P.V. Halushka (USA) 83

Identification and characterization of δ_B-CaM kinase and δ_C-CaM kinase from rat heart, two new multifunctional Ca^{2+}/calmodulin-dependent protein kinase isoforms
C.F. Edman and H. Schulman (USA) 90

Regular Section

Regular Papers

Dexamethasone-dependent modulation of human lymphoblastoid B cell line through sphingosine production
R. Ricciolini, A. Miccheli, M.E. Di Cocco, E. Piccolella, A. Marino, M.P. Sammartino and F. Conti (Italy) 103

Seminalplasmin, a bovine seminal plasma protein, lyses dividing but not resting mammalian cells
T.R. Murti, S.A. Chandani, A. Khar, G.L. Reddy and P.M. Bhargava (India) 109

Inhibition of the G1-S transition of the cell cycle by inhibitors of deoxyhypusine hydroxylation
H.M. Hanauske-Abel, M.-H. Park, A.-R. Hanauske, A.M. Popowicz, M. Lalande and J.E. Folk (USA, Germany) 115

The nonapeptide leucinostatin A acts as a weak ionophore and as an immunosuppressant on T lymphocytes
P. Csermely, L. Radics, C. Rossi, M. Szamel, M. Ricci, K. Mihály and J. Somogyi (Hungary, Italy, Germany) 125

Intracellular sodium in cardiomyocytes using ^{23}Na nuclear magnetic resonance
T. Ivanics, H. Blum, K. Wroblewski, D.J. Wang and M. Osbakken (USA) 133

Modulation of proliferation of cultured human cells by urinary trypsin inhibitor
J.K. Perry, G.K. Scott and C.A. Tse (New Zealand) 145

Immunomodulation induced by synthetic peptides derived from *Staphylococcus aureus* protein A
N. López-Moratalla, M.J. López-Zabalza, M.L. Subirá, F. Borrás-Cuesta, L.A. Pérez-Mediavilla and E. Santiago (Spain) 153

Vitamin D stimulates DNA synthesis in alveolar type-II cells
J.D. Edelson, S. Chan, D. Jassal, M. Post and A.K. Tanswell (Canada) 159

Role of extracellular calcium in the regulation of 1,25-dihydroxyvitamin D_3 formation in cultured human keratinocytes
J.P.T.M. Van Leeuwen, H.A.P. Pols, G.C.M. Van den Bemd, J. Kempenaar, H.B. Thio, J.C. Birkenhäger and M. Ponec (The Netherlands) 167

Dexamethasone-dependent modulation of cholesterol levels in human lymphoblastoid B cell line through sphingosine production
A. Miccheli, A. Tomassini, R. Ricciolini, M.E. Di Cocco, E. Piccolella, C. Manetti and F. Conti (Italy) 171

Subsection

Regular Papers

Arachidonic acid liberation induced by phosphatidic acid endogenously generated from membrane phospholipids in rabbit platelets
T. Hashizume, M. Taniguchi, T. Sato and T. Fujii (Japan) 179

Involvement of calmodulin in Ca^{2+}-activated K^+ efflux in human colonic cell line, HT29–19A
K.E. Fogg, N.B. Higgs and G. Warhurst (UK) 185

Characterization of vasoactive intestinal peptide receptors in human liver
N. Rodríguez-Henche, M.S. Rodríguez-Pena, L.G. Guijarro and J.C. Prieto (Spain) 193

Cyclosporin A antagonizes phenylephrine, oxytocin and angiotensin effects on glucose metabolism in rat thymus lymphocytes
A. Gualberto, M. Conde and F. Sobrino (Spain) 199

Bombesin stimulates transplasma-membrane electron transport by Swiss 3T3 cells
I.L. Sun, F.L. Crane and H. Löw (USA, Sweden) 206

Short Communication

Vascular endothelial growth factor/vascular permeability factor is detectable in the sera of tumor-bearing mice and cancer patients
S. Kondo, M. Asano, K. Matsuo, I. Ohmori and H. Suzuki (Japan) 211

Regular Section

Regular Papers

The role of poly(ADP-ribose) metabolism in response to active oxygen cytotoxicity
D. Lautier, J.-C. Hoflack, J.B. Kirkland, D. Poirier and G.G. Poirier (France, Canada) 215

Surface aminopeptidase activity of rat natural killer cells. I. Biochemical and biological properties
A.A. Amoscato, R.R. Spiess, A.M. Brumfield, R.B. Herberman and W.H. Chambers (USA) 221

Bradykinin stimulates fructose 2,6-bisphosphate metabolism in human fibroblasts
E. Meacci, V. Vasta, F. Vannini, M. Farnararo and P. Bruni (Italy) 233

Glycogen degradation by adrenergic agonists and glucagon in periportal and perivenous rat hepatocyte cultures
D. Tosh and L. Agius (UK) 238

Protein degradation in kidney proximal tubule cell monolayers
P.J. Evans (UK) 243

Relationship between photodynamically induced damage to various cellular parameters and loss of clonogenicity in different cell types with hematoporphyrin derivative as sensitizer
L.C. Penning, K. Tijssen, J.P.J. Boegheim, J. Van Steveninck and T.M.A.R. Dubbelman (Netherlands) 250

Interactions of vanadate oligomers with sarcoplasmic reticulum Ca^{2+}-ATPase
M. Aureliano and V.M.C. Madeira (Portugal) 259

The inherent cytotoxicity of melanin precursors: a revision
K. Urabe, P. Aroca, K. Tsukamoto, D. Mascagna, A. Palumbo, G. Prota and V.J. Hearing (USA, Japan, Italy) 272

Characterization of a COS cell line deficient in polyamine transport
T. Hyvönen, N. Seiler and L. Persson (Sweden, France) 279

Rapid Report

The tissue-specific RNA-binding protein COLBP is differentially regulated during myogenesis
T. Preiss, Z.M.A. Chrzanowska-Lightowlers and R.N. Lightowlers (UK) 286

Subsection

Regular Papers

Protein phosphatase inhibitors induce the release of serotonin from rat basophilic leukemia cells (RBL-2H3)
N. Sakamoto, H. Shuntoh and C. Tanaka (Japan) 291

Influence of protein kinase C activation by 4β-phorbol ester or 1-oleoyl-2-acetylglycerol on disaturated phosphatidylcholine synthesis and secretion, and protein phosphorylation in differentiating fetal rabbit type II alveolar cells
J.E. Scott (Canada) 297

Regulation of plasminogen activation by interleukin-6 in human lung fibroblasts
F. Samad, G. Bergtrom and D.L. Amrani (USA) 307

Studies on signal transduction mechanisms for adrenaline-driven lipolysis in white and brown adipocytes
M. Kokkaliari, E. Chew, M.C. Scrutton and M.C. Perry (UK) 315

Multiple signalling pathways in the C5a-induced expression of adhesion receptor Mac-1
P.N. Monk, M.D. Barker and L.J. Partridge (UK) 323

Alteration by transforming growth factor-β1 of asparagine-linked sugar chains in glucose transporter protein in Swiss 3T3 cells
A. Masumi, Y. Akamatsu and T. Kitagawa (Japan) 330

Characterization of the release of cholecystokinin from a murine neuroendocrine tumor cell line, STC-1
C.H. Chang, W.Y. Chey, Q. Sun, A. Leiter and T.-m. Chang (USA) 339

Short Sequence-Papers

A newly identified tyrosine kinase is preferentially expressed in the gastrointestinal tract
I. Sunitha and M.I. Avigan (USA) 348

Cloning of the mouse insulin receptor substrate-1 (IRS-1) gene and complete sequence of mouse IRS-1
E. Araki, B.L. Haag III and C.R. Kahn (USA) 353

Cumulative Contents, Vol. 1221 357

Author Index 360